

Title (en)  
DISPLAY APPARATUS FOR VEHICLE

Title (de)  
ANZEIGEVORRICHTUNG FÜR EIN FAHRZEUG

Title (fr)  
AFFICHEUR POUR VÉHICULE

Publication  
**EP 3848224 B1 20220427 (EN)**

Application  
**EP 20184483 A 20200707**

Priority  
KR 20200002715 A 20200108

Abstract (en)  
[origin: EP3848224A1] A display device for a vehicle includes a first frame configured to be coupled to a dashboard of the vehicle, a second frame configured to move vertically relative to the first frame, and a flexible display having a first area that extends along the second frame and defines a flat surface and a second area that is configured to extend from the first area, where the display device is configured to vary a shape of the second area. The display device further includes a first roller that extends in an upward-downward direction and that supports an inner surface of the flexible display to allow the second area to be curved around the first roller, a first moving body is coupled to the second area, and a second actuator configured to move the first roller and the first moving body laterally relative to the second frame.

IPC 8 full level  
**B60K 35/00** (2006.01); **G02F 1/1333** (2006.01)

CPC (source: CN EP KR US)  
**B60K 35/00** (2013.01 - EP KR US); **B60K 35/22** (2024.01 - EP); **B60K 35/223** (2024.01 - EP KR); **B60K 35/50** (2024.01 - KR); **B60K 35/53** (2024.01 - EP); **B60K 35/60** (2024.01 - KR); **B60R 11/00** (2013.01 - CN); **B60R 11/0235** (2013.01 - CN KR); **F16H 25/10** (2013.01 - KR); **H05K 5/0017** (2013.01 - US); **H05K 5/0217** (2013.01 - US); **B60K 35/22** (2024.01 - US); **B60K 35/53** (2024.01 - US); **B60R 2011/0005** (2013.01 - CN KR); **B60R 2011/0007** (2013.01 - CN); **B60R 2011/0057** (2013.01 - KR); **B60R 2011/008** (2013.01 - CN); **B60R 2011/0084** (2013.01 - KR)

Cited by  
EP4393743A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 3848224 A1 20210714**; **EP 3848224 B1 20220427**; CN 113085740 A 20210709; CN 113085740 B 20230502; KR 102340790 B1 20211216; KR 20210089493 A 20210716; US 11178782 B2 20211116; US 2021212223 A1 20210708

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**EP 20184483 A 20200707**; CN 202010500873 A 20200604; KR 20200002715 A 20200108; US 202016912164 A 20200625